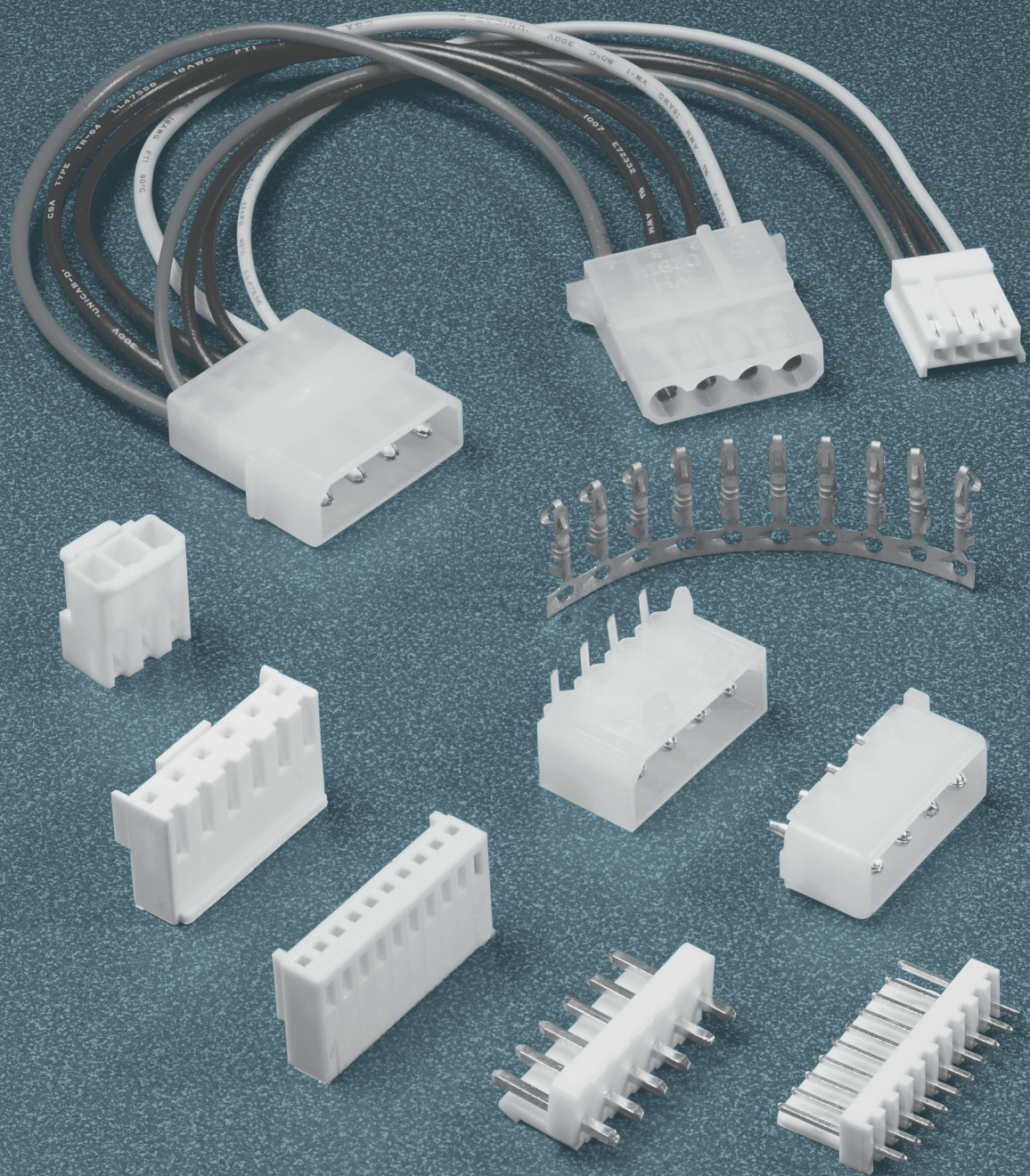
POWER PIN CONNECTORS



ISO 9002
REGISTERED FIRM

Power Dynamics Power Pin connectors are a low cost, high quality interconnect product that can withstand currents up to 5 amps. They are available in P.C.B., crimp and cable assembly types. All P.C.B. connectors feature a polarizing friction lock back so that the plug can not be inserted incorrectly.

PDI®
Power Dynamics, Inc.

SPECIFICATIONS

MATERIAL AND FINISH:

Housing:
Material: Nylon 66
Rating: UL 94V-2

Contacts:
Material: Brass
Plating: Tin: 70µ" OVER NICKEL

ELECTRICAL SPECIFICATIONS:

Current Rating 2.54mm Centers: 1A

Current Rating 3.96mm Centers: 5A

Current Rating 5.08mm Centers: 7A

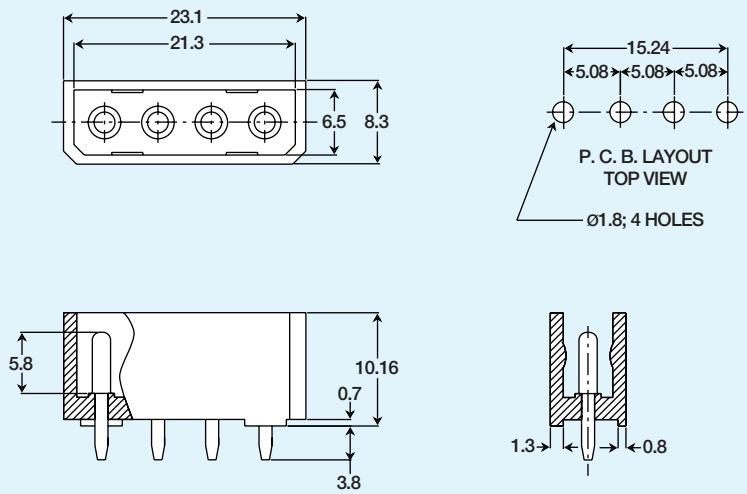
Insulator Resistance: 1000 Megaohm min. @ 500 VDC

Dielectric Withstanding Strength: 1000 VAC rms for 1 minute

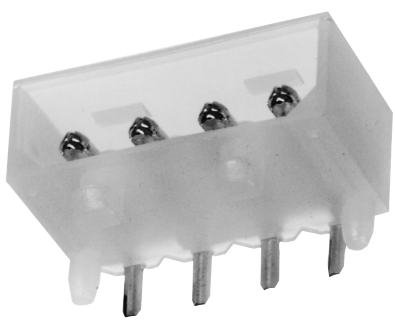
Temperature: -55°C to 105°C

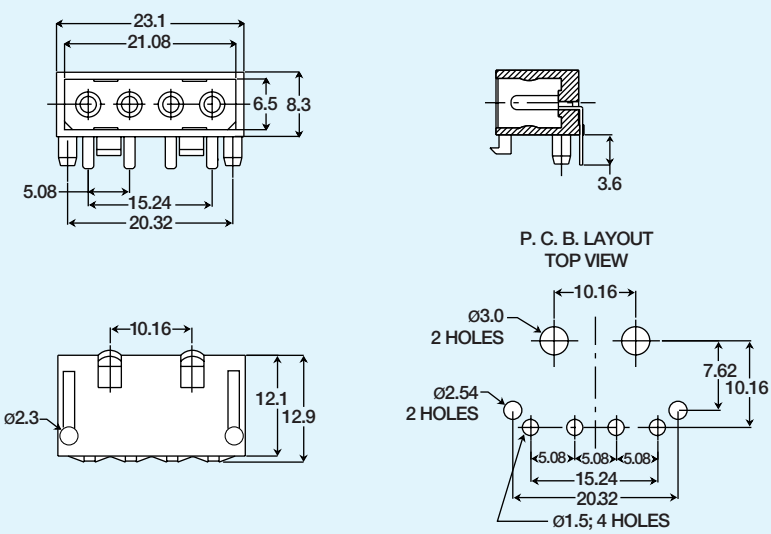
RoHS 2002/95/EC COMPLIANT

PM-001



PM-002





Specifications subject to change without notice. Dimensions in mm.

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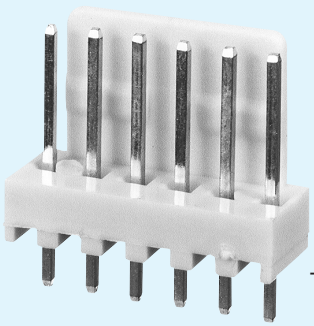
e-mail: sales@powerdynamics.com • www.powerdynamics.com

2.54mm Power Connectors

TCP-0XX



TCP-006
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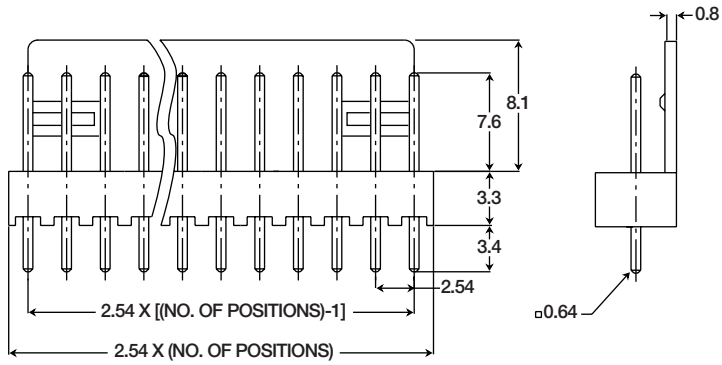
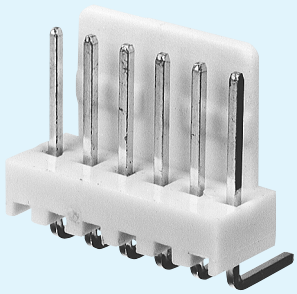
XX = Number of Circuits
Available in 2-20 Circuits



TRP-0XX



TRP-006
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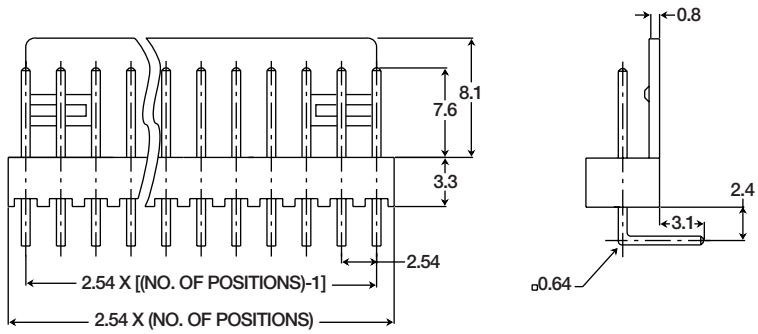
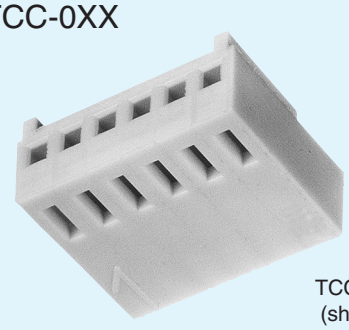
XX = Number of Circuits
Available in 2-20 Circuits

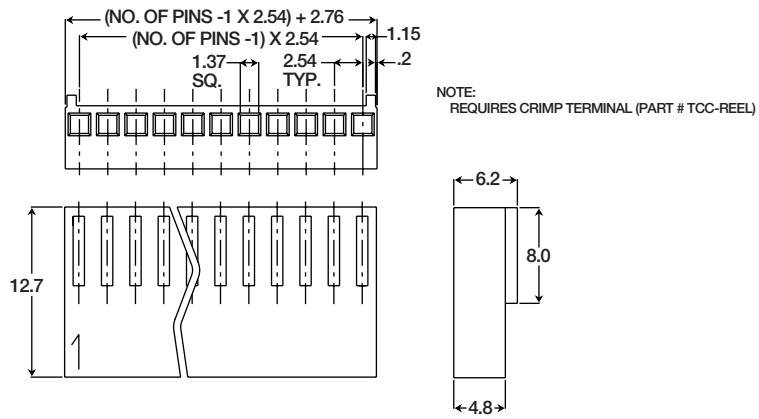


TCC-0XX

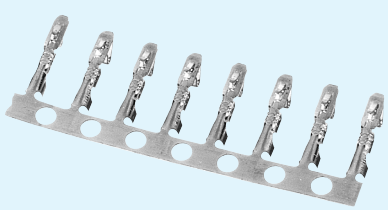


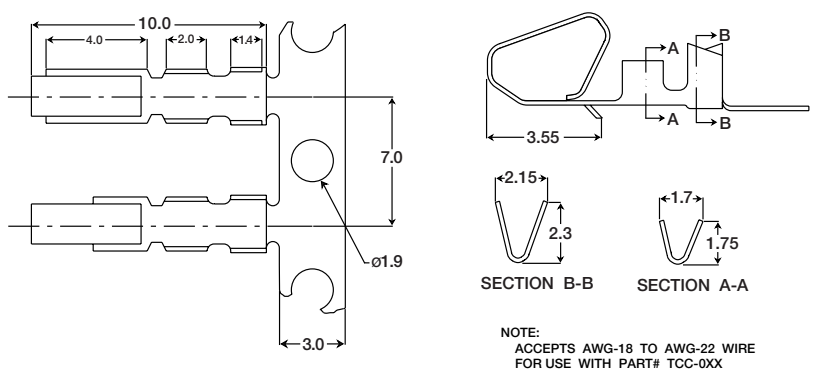
TCC-006
(shown)

XX = Number of Circuits
Available in 2-20 Circuits



TCC-REEL





Specifications subject to change without notice. Dimensions in mm.

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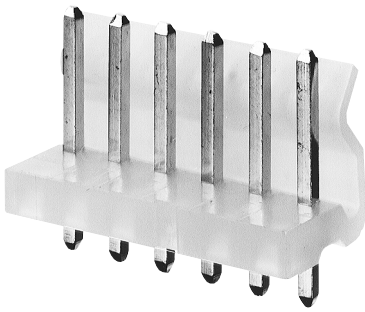
Power Dynamics, Inc.

3.96mm Power Connectors

TCP-0XX-396



TCP-006-396
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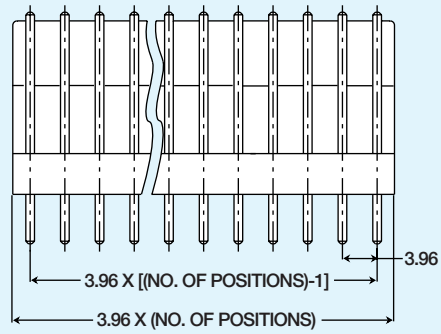
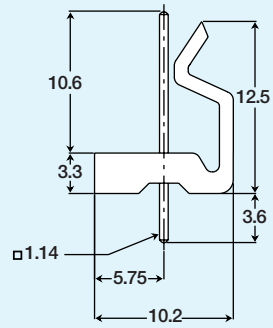
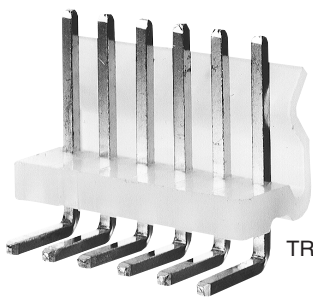
XX = Number of Circuits
Available in 2-12 Circuits





TRP-0XX-396



TRP-006-396
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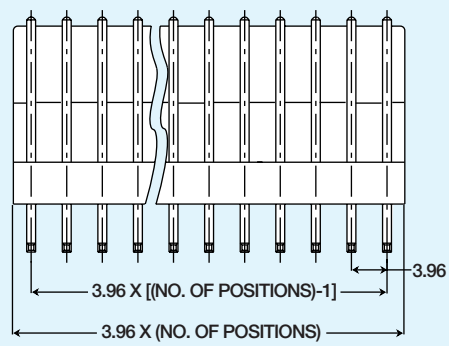
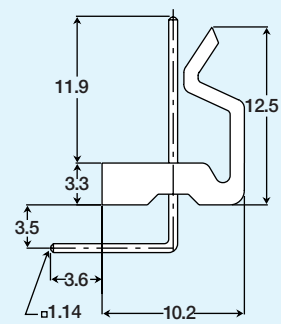
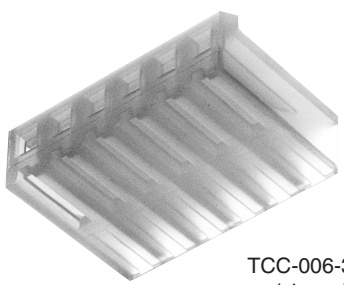
XX = Number of Circuits
Available in 2-12 Circuits



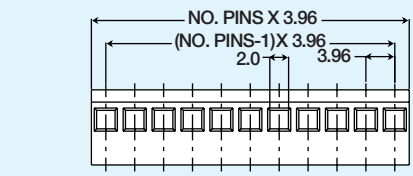


TCC-0XX-396

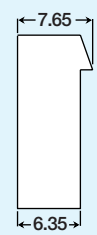


TCC-006-396
(shown)

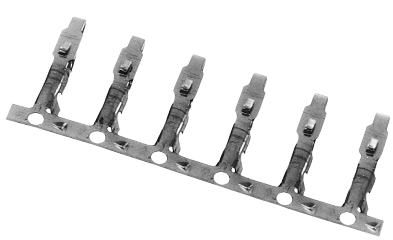
XX = Number of Circuits
Available in 2-12 Circuits

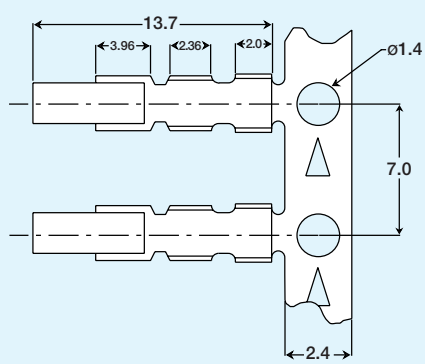


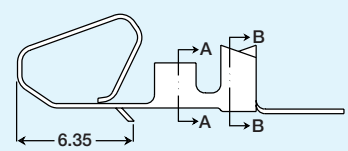
NOTE:
REQUIRES CRIMP TERMINAL (PART # TCC-REEL-396)

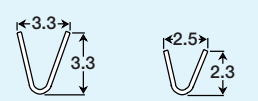


TCC-REEL-396









SECTION B-B SECTION A-A

NOTE:
ACCEPTS AWG-18 TO AWG-22 WIRE
FOR USE WITH PART# TCC-0XX-396

Specifications subject to change without notice. Dimensions in mm.

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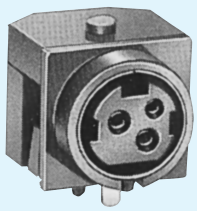
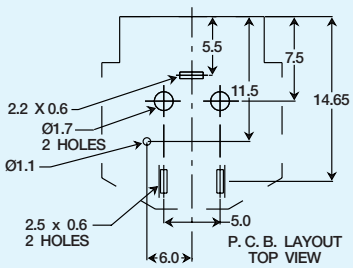
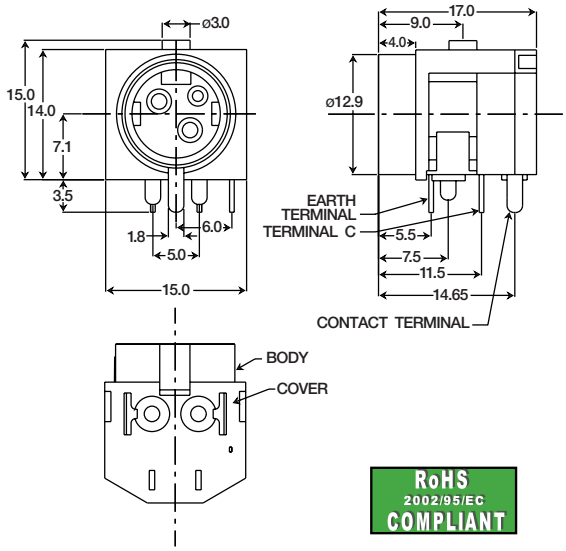
Power Sockets and Plugs

DC-002







MATERIAL AND FINISH:
Housing: (Body & Cover)
Material: P.B.T.; Valox 420-SEO
Rating: UL-94V-0

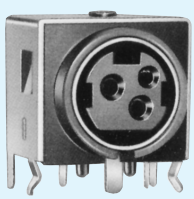
Contacts:
Terminals A & B:
Material: Brass
Plating: Silver
Earth Terminal:
Material: Brass
Plating: Silver
Terminal C:
Material: Phosphor Bronze
Plating: Silver

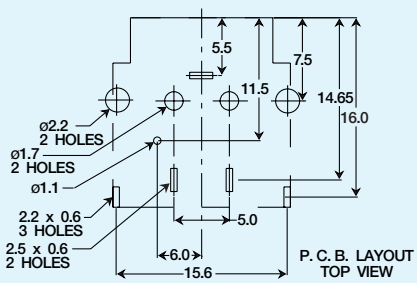
MECHANICAL SPECIFICATIONS:
Insertion Force: 3.5 Kg max.
Withdrawal Force: 0.5 to 2.5 Kg

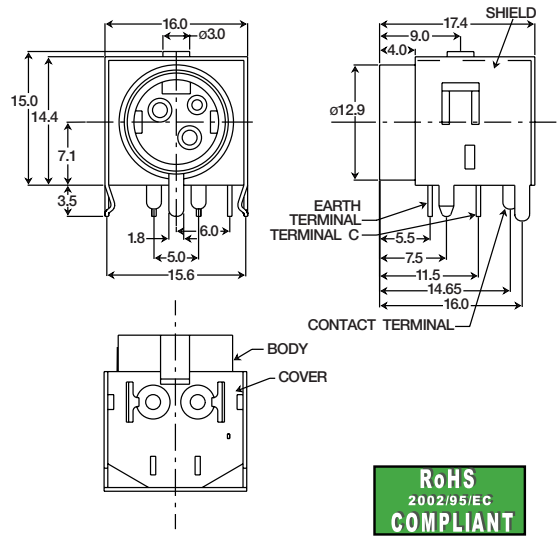
ELECTRICAL SPECIFICATIONS:
Rated Current:
Pin A&B: 7.5 A max. at 20 VDC
Pin C: 1 A max. at 20 VDC

RoHS 2002/95/EC COMPLIANT

DC-002S







MATERIAL AND FINISH:
Housing: (Body & Cover)
Material: P.B.T.; Valox 420-SEO
Rating: UL-94V-0

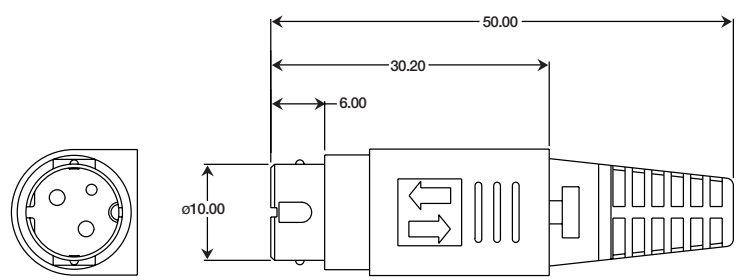
Contacts:
Terminals A & B:
Material: Brass
Plating: Silver
Earth Terminal:
Material: Brass
Plating: Silver
Terminal C:
Material: Phosphor Bronze
Plating: Silver
Shield:
Material: Brass
Plating: Tin

MECHANICAL SPECIFICATIONS:
Insertion Force: 3.5 Kg max.
Withdrawal Force: 0.5 to 2.5 Kg

ELECTRICAL SPECIFICATIONS:
Rated Current:
Pin A&B: 7.5 A max. at 20 VDC
Pin C: 1 A max. at 20 VDC

RoHS 2002/95/EC COMPLIANT

DP-002



MATERIAL AND FINISH:
Housing:
Material: P.B.T.; Valox 420-SEO
Rating: UL-94V-0

Strain Relief:
Material: PVC

Contacts:
Terminals A & B:
Material: Brass
Plating: Nickel
Earth Terminal:
Material: Brass
Plating: Nickel
Terminal C:
Material: Brass
Plating: Nickel

ELECTRICAL SPECIFICATIONS:
Rated Current:
Pin A & B: 7.5 A max. at 20 VDC
Pin C: 1 A max. at 20 VDC

Insulator Resistance:
250 VAC for 1 minute

Dielectric Withstanding Strength:
250 VAC for 1 minute

RoHS 2002/95/EC COMPLIANT

Specifications subject to change without notice. Dimensions in mm.
Custom cables also available. See page 290.

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e-mail: sales@powerdynamics.com • www.powerdynamics.com

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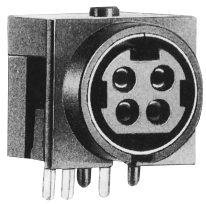
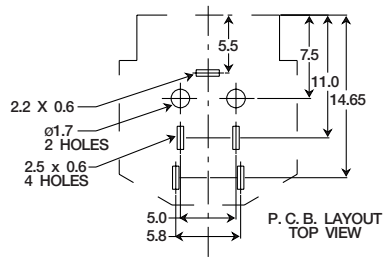
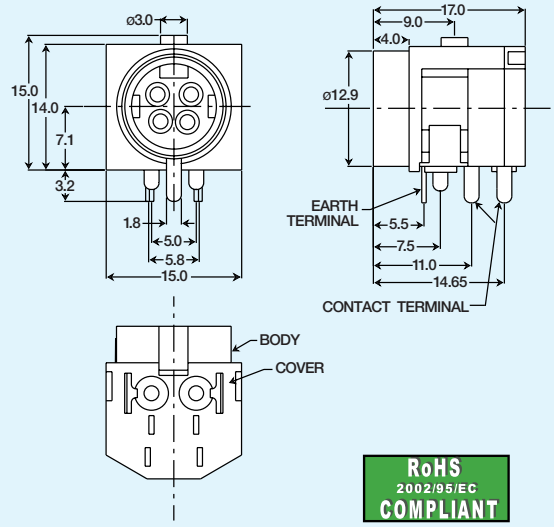
Power Sockets and Plugs

DC-003







MATERIAL AND FINISH:
Housing: (Body & Cover)
Material: P.B.T.; Valox 420-SEO
Rating: UL-94V-0

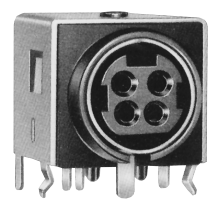
Contacts:
Contact Terminals:
Material: Brass
Plating: Silver
Earth Terminal:
Material: Brass
Plating: Silver

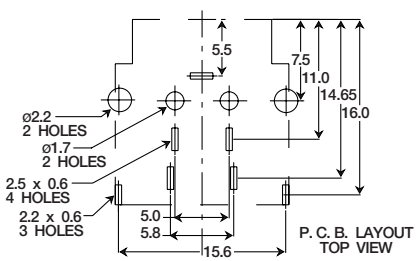
MECHANICAL SPECIFICATIONS:
Insertion Force: 3.5 Kg max.
Withdrawal Force: 0.5 to 2.5 Kg

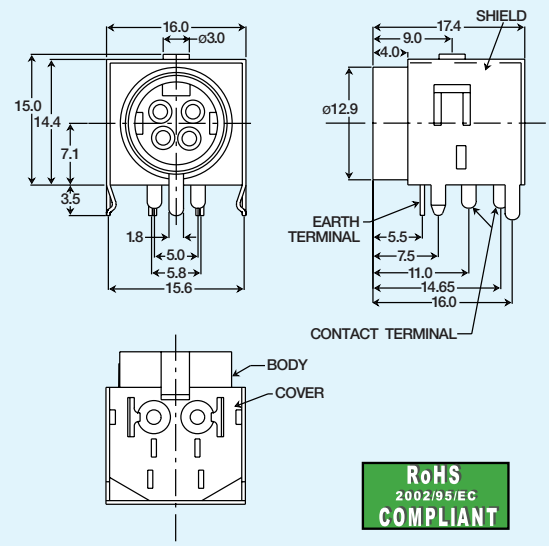
ELECTRICAL SPECIFICATIONS:
Rated Current:
7.5 A max. at 20 VDC

RoHS 2002/95/EC COMPLIANT

DC-003S







MATERIAL AND FINISH:
Housing: (Body & Cover)
Material: P.B.T.; Valox 420-SEO
Rating: UL-94V-0

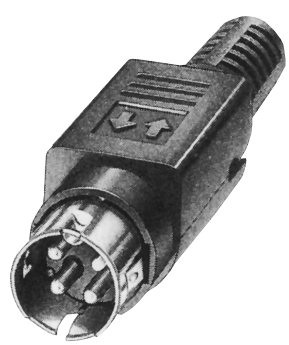
Contacts:
Contact Terminals:
Material: Brass
Plating: Silver
Earth Terminal:
Material: Brass
Plating: Silver
Shield:
Materials: Brass
Plating: Tin

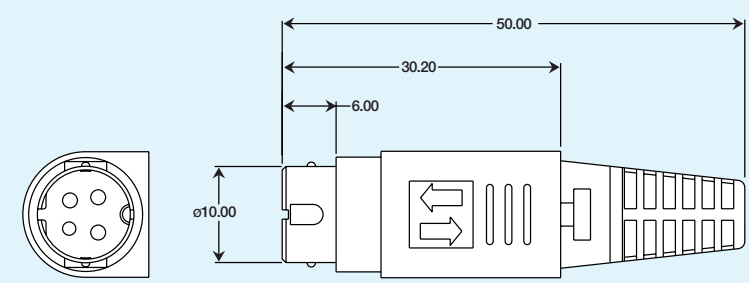
MECHANICAL SPECIFICATIONS:
Insertion Force: 3.5 Kg max.
Withdrawal Force: 0.5 to 2.5 Kg

ELECTRICAL SPECIFICATIONS:
Rated Current:
7.5 A max. at 20 VDC

RoHS 2002/95/EC COMPLIANT

DP-003





MATERIAL AND FINISH:
Housing:
Material: P.B.T.; Valox 420-SEO
Rating: UL-94V-0

Strain Relief:
Material: PVC

Contacts:
Contact Terminals:
Material: Brass
Plating: Nickel
Earth Terminal:
Material: Brass
Plating: Nickel

ELECTRICAL SPECIFICATIONS:
Rated Current:
7.5 A max. at 20 VDC

Insulator Resistance:
250 VAC for 1 minute

Dielectric Withstanding Strength:
250 VAC for 1 minute

RoHS 2002/95/EC COMPLIANT

Specifications subject to change without notice. Dimensions in mm.
Custom cables also available. See page 290.

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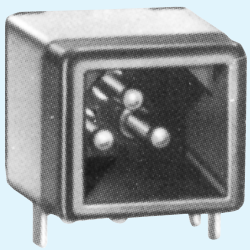
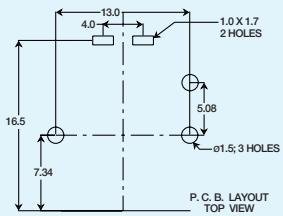
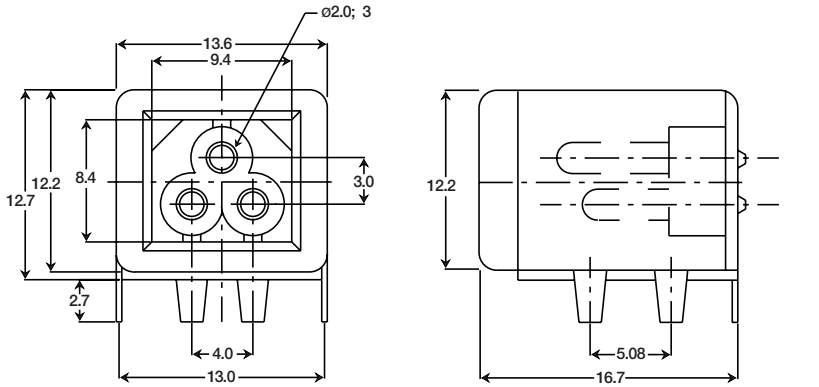
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Power Sockets and Plugs

AC-001







Specifications subject to change without notice. Dimensions in mm.

Custom cables also available. See page 240.

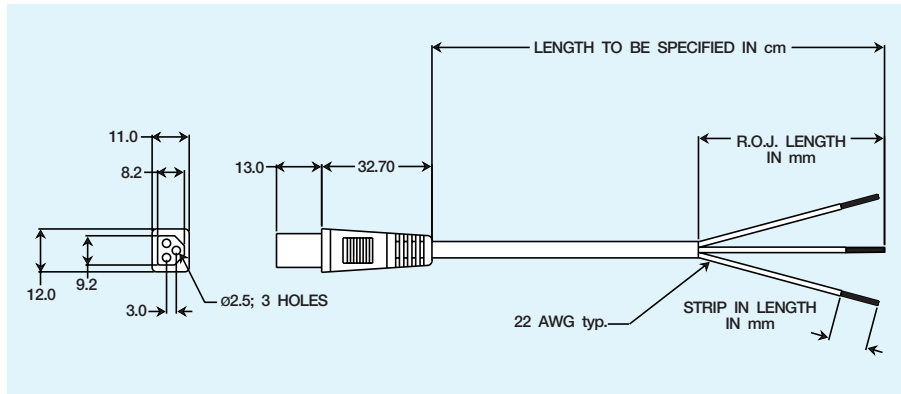
RoHS 2002/95/EC COMPLIANT

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PDI® Power Dynamics, Inc.

Power Sockets and Plugs

PCA-010-22-085
(shown)



Specifications subject to change without notice. Dimensions in mm.

EXAMPLE & ORDERING CODE

PCA - 010 - 22 - 08 5

CABLE LENGTH IN cm:
EX: 010 = 10cm

WIRE GAUGE:
STANDARD AWG = 22

CABLE END SPECIFICATION:
BLUNT CUT = 5
ROJ 25.4mm STRIP 9.5mm = 6

For other options please contact factory with detailed specifications.

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